

# SEQUENCE LISTING

<110> Donoho, Gregroy  
Hilbun, Erin  
Turner, Alex  
Friedrich, Glenn  
Zambrowicz, Brian  
Sands, Arthur T.

<120> Novel Human Kinase Protein and  
Polynucleotides Encoding the Same

<130> LEX-0119-USA

<150> US 60/176,690

<151> 2000-01-18

<160> 3

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 1269

<212> DNA

<213> Homo sapiens

<400> 1

atggaccatc	ctagtaggga	aaaggatgaa	agacaacgga	caactaaacc	catggcacia	60
aggagtgcac	actgctctcg	accatctggc	tcctcatcgt	cctctggggg	tcttatgggtg	120
ggaccaact	tcagggttgg	caagaagata	ggatgtggga	acttcggaga	gctcagatta	180
ggtaaaaaatc	tctacaccaa	tgaatatgta	gcaatcaaac	tggaaaccaat	aaaatcacgt	240
gctccacagc	ttcattttaga	gtacagattt	tataaacagc	ttggcagtg	aggtgaaggt	300
ctcccacagg	tgtattactt	tggaccatgt	gggaaatata	atgccatggt	gctggagctc	360
cttggcccta	gcttggagga	cttgtttgac	ctctgtgacc	gaacatttac	tttgaagacg	420
gtgttaatga	tagccatcca	gctgctttct	cgaatggaat	acgtgcactc	aaagaacctc	480
atttaccgag	atgtcaagcc	agagaacttc	ctgattgggtc	gacaaggcaa	taagaaagag	540
catgtttatac	acattataga	ctttggactg	gccaaaggaat	acattgacct	cgaaaccaa	600
aaacacatac	cttataggga	acacaaaagt	ttaactggaa	ctgcaagata	tatgtctatc	660
aacacgcac	ttggcaaaga	gcaaagccgg	agagatgatt	tggaaagccct	aggccatatg	720
ttcatgtatt	tccttcgagg	cagcctcccc	tggcaaggac	tcaaggctga	cacattaaaa	780
gagagatatac	aaaaaattgg	tgacaccaa	aggaatactc	ccattgaagc	tctctgtgag	840
aactttccag	aggagatggc	aacctacctt	cgatatgtca	ggcgactgga	cttctttgaa	900
aaacctgatt	atgagtattt	acggaccttc	ttcacagacc	tctttgaaaa	gaaaggctac	960
acctttgact	atgcctatga	ttgggttggg	agacctattc	ctactccagt	agggtcagtt	1020
cacgtagatt	ctgggtgcac	tgcaataact	cgagaaagcc	acacacatag	ggatcggcca	1080
tcacaacagc	agcctcttcg	aaatcagggtg	gttagctcaa	ccaatggaga	gctgaatggt	1140
gatgatccca	cgggagccca	ctccaatgca	ccaatcacag	ctcatgccga	ggtggaggtg	1200
gtggaggaag	ctaagtgtctg	ctgtttcttt	aagaggaaaa	ggaagaagac	tgctcagcgc	1260
cacaagtga						1269

<210> 2

<211> 422

<212> PRT

<213> Homo sapiens

<400> 2

Met	Asp	His	Pro	Ser	Arg	Glu	Lys	Asp	Glu	Arg	Gln	Arg	Thr	Thr	Lys
1				5					10					15	
Pro	Met	Ala	Gln	Arg	Ser	Ala	His	Cys	Ser	Arg	Pro	Ser	Gly	Ser	Ser
		20						25					30		
Ser	Ser	Ser	Gly	Val	Leu	Met	Val	Gly	Pro	Asn	Phe	Arg	Val	Gly	Lys
		35					40					45			
Lys	Ile	Gly	Cys	Gly	Asn	Phe	Gly	Glu	Leu	Arg	Leu	Gly	Lys	Asn	Leu
	50				55						60				
Tyr	Thr	Asn	Glu	Tyr	Val	Ala	Ile	Lys	Leu	Glu	Pro	Ile	Lys	Ser	Arg
65					70					75					80
Ala	Pro	Gln	Leu	His	Leu	Glu	Tyr	Arg	Phe	Tyr	Lys	Gln	Leu	Gly	Ser
				85					90					95	
Ala	Gly	Glu	Gly	Leu	Pro	Gln	Val	Tyr	Tyr	Phe	Gly	Pro	Cys	Gly	Lys
			100					105					110		
Tyr	Asn	Ala	Met	Val	Leu	Glu	Leu	Leu	Gly	Pro	Ser	Leu	Glu	Asp	Leu
		115					120					125			
Phe	Asp	Leu	Cys	Asp	Arg	Thr	Phe	Thr	Leu	Lys	Thr	Val	Leu	Met	Ile
	130					135					140				
Ala	Ile	Gln	Leu	Leu	Ser	Arg	Met	Glu	Tyr	Val	His	Ser	Lys	Asn	Leu
145					150					155					160
Ile	Tyr	Arg	Asp	Val	Lys	Pro	Glu	Asn	Phe	Leu	Ile	Gly	Arg	Gln	Gly
				165					170					175	
Asn	Lys	Lys	Glu	His	Val	Ile	His	Ile	Ile	Asp	Phe	Gly	Leu	Ala	Lys
			180					185					190		
Glu	Tyr	Ile	Asp	Pro	Glu	Thr	Lys	Lys	His	Ile	Pro	Tyr	Arg	Glu	His
	195						200					205			
Lys	Ser	Leu	Thr	Gly	Thr	Ala	Arg	Tyr	Met	Ser	Ile	Asn	Thr	His	Leu
	210					215					220				
Gly	Lys	Glu	Gln	Ser	Arg	Asp	Asp	Leu	Glu	Ala	Leu	Gly	His	Met	
225				230					235					240	
Phe	Met	Tyr	Phe	Leu	Arg	Gly	Ser	Leu	Pro	Trp	Gln	Gly	Leu	Lys	Ala
			245						250					255	
Asp	Thr	Leu	Lys	Glu	Arg	Tyr	Gln	Lys	Ile	Gly	Asp	Thr	Lys	Arg	Asn
		260						265					270		
Thr	Pro	Ile	Glu	Ala	Leu	Cys	Glu	Asn	Phe	Pro	Glu	Glu	Met	Ala	Thr
		275					280					285			
Tyr	Leu	Arg	Tyr	Val	Arg	Arg	Leu	Asp	Phe	Phe	Glu	Lys	Pro	Asp	Tyr
	290					295					300				
Glu	Tyr	Leu	Arg	Thr	Leu	Phe	Thr	Asp	Leu	Phe	Glu	Lys	Lys	Gly	Tyr
305				310						315					320
Thr	Phe	Asp	Tyr	Ala	Tyr	Asp	Trp	Val	Gly	Arg	Pro	Ile	Pro	Thr	Pro
			325						330					335	
Val	Gly	Ser	Val	His	Val	Asp	Ser	Gly	Ala	Ser	Ala	Ile	Thr	Arg	Glu
		340						345					350		
Ser	His	Thr	His	Arg	Asp	Arg	Pro	Ser	Gln	Gln	Gln	Pro	Leu	Arg	Asn
		355					360					365			
Gln	Val	Val	Ser	Ser	Thr	Asn	Gly	Glu	Leu	Asn	Val	Asp	Asp	Pro	Thr
	370					375						380			
Gly	Ala	His	Ser	Asn	Ala	Pro	Ile	Thr	Ala	His	Ala	Glu	Val	Glu	Val
385				390						395					400
Val	Glu	Glu	Ala	Lys	Cys	Cys	Cys	Phe	Phe	Lys	Arg	Lys	Arg	Lys	Lys
			405						410					415	
Thr	Ala	Gln	Arg	His	Lys										
			420												

<210> 3  
 <211> 1968  
 <212> DNA  
 <213> Homo sapiens

<400> 3  
 atactgaagc tacttgctgt actataggag agctctgtcc tgtaggatca tggaccatcc 60  
 tagtagggaa aaggatgaaa gacaacggac aactaaaccc atggcacaaa ggagtgcaca 120  
 ctgctctcga ccatctggct cctcatcgtc ctctgggggtt cttatggtgg gacccaactt 180  
 cagggttggc aagaagatag gatgtgggaa ctctggagag ctacagattag gtaaaaatct 240  
 ctacaccaat gaatatgtag caatcaaact ggaaccaata aatcacgtg ctccacagct 300  
 tcatttagag tacagatttt ataaacagct tggcagtgca ggtgaaggtc tcccacaggt 360  
 gtattacttt ggaccatgtg ggaaatataa tgccatgggtg ctggagctcc ttggccctag 420  
 cttggaggac ttgtttgacc tctgtgaccg aacatttact ttgaagacgg tgttaatgat 480  
 agccatccag ctgctttctc gaatggaata cgtgcactca aagaacctca ttaccgaga 540  
 tgtcaagcca gagaacttcc tgattggtcg acaaggcaat aagaaagagc atgttatata 600  
 cattatagac tttggactgg ccaaggaata cattgacccc gaaacaaaaa aacacatacc 660  
 ttatagggaa caaaaagtt taactggaac tgcaagatat atgtctatca acacgcctct 720  
 tggcaaagag caaagccgga gagatgattt ggaagcccta ggccatatgt tcatgtattt 780  
 ccttcgaggc agcctcccct ggcaaggact caaggctgac acattaaaag agagatatca 840  
 aaaaattggt gacacaaaaa ggaatactcc cattgaagct ctctgtgaga actttccaga 900  
 ggagatggca acctaccttc gatatgtcag gcgactggac ttctttgaaa aacctgatta 960  
 tgagtattta cggaccctct tcacagacct ctttgaaaag aaaggctaca cctttgacta 1020  
 tgcctatgat tgggttggga gacctattcc tactccagta gggtcagttc acgtagattc 1080  
 tgggtgcatct gcaataactc gagaaagcca cacacatagg gatcggccat cacaacagca 1140  
 gcctcttcga aatcaggtgg ttagctcaac caatggagag ctgaatgttg atgatccac 1200  
 gggagcccac tccaatgcac caatcacagc tcatgccgag gtggaggtag tggaggaagc 1260  
 taagtgtgc tgtttcttta agaggaaaag gaagaagact gctcagcgcc acaagtgacc 1320  
 agtgccctcc aggagtccct aggcctctgg gactctgact caattgtacc tgcagctcct 1380  
 gccatttctc attggaaggg actcctcttt gggggagggt ggatatccaa accaaaaaga 1440  
 agaaaacaga tgccccaga aggggccagt gcgggcagcc agggcctagt gggtcattgg 1500  
 ccatctccgc ctgcctaagg ctctgagcag gtcccagagc tgctgttcct cactgcttg 1560  
 cccatagggc tgctgtgttg actctccttc ccattgttta cagtgaaggt gtcattcaca 1620  
 aaaactcaag gactgctatt ctcttcttcc cccttagttt actcctggtt ttaccaccac 1680  
 cctcaaccct ctccagcata aaacctagtg agctaaaggc tttgtctgca gaaggagatc 1740  
 aagaggcttg ggggtaaggc caagaaggta ggaggaaaat ggcagacctg ggctggagaa 1800  
 gaacctctc cgtatcccag gtgtgcctgg cagtatggtt tctctcttct ctgtgcctgt 1860  
 gcagcattca tcccagctgg cccttgagat tcaggttcct tcttccctcc ctctgtgaa 1920  
 gttacactgt aggacacaag ctgtgagcaa tctgcagtct actggccc 1968